

Supplementary Table 3. Post-hoc analysis for 2-way repeated measures ANOVA on male mouse averaged food intake per cage. Data are shown in Figure 3B and 3C.

Male	Sidak's post-hoc analysis for averaged Food intake/cage			
	Genotype Pomc ^{wt/wt} LF v Pomc ^{tm1/tm1} LF	Genotype Pomc ^{wt/wt} HF v Pomc ^{tm1/tm1} HF	Diet Pomc ^{wt/wt} LF v Pomc ^{wt/wt} HF	Diet Pomc ^{tm1/tm1} LF v Pomc ^{tm1/tm1} HF
Days on Diet	F (1,4) = 116.4 P = 0.0004	F (1,4) = 3.911 P = 0.1191	F (1,4) = 0.0083 P = 0.9316	F (1,4) = 0.0076 P = 0.9345
2	ns	ns	p < 0.0001	p < 0.0001
4	ns	ns	ns	ns
7	ns	ns	ns	ns
9	ns	ns	ns	ns
11	ns	ns	ns	ns
14	ns	ns	ns	ns
16	p < 0.001	ns	ns	ns
18	ns	ns	ns	ns
21	ns	ns	ns	ns
23	p < 0.05	ns	ns	ns
25	p < 0.05	ns	ns	ns
28	ns	ns	ns	ns
30	ns	p < 0.05	ns	ns
32	ns	ns	ns	ns
35	ns	ns	ns	ns
Weeks on Diet	F (1,4) = 13.04 P = 0.0225	F (1,4) = 8.972 P = 0.0401	F (1,4) = 1.437 P = 0.2968	F (1,4) = 0.1254 P = 0.7411
1	ns	ns	ns	ns
2	ns	ns	ns	ns
3	ns	ns	ns	ns
4	p < 0.05	ns	ns	ns
5	ns	ns	ns	ns
6	ns	ns	ns	ns
7	ns	p < 0.05	ns	ns
8	ns	p < 0.05	ns	ns
9	ns	p < 0.01	ns	ns
10	p < 0.05	p < 0.05	ns	ns
11	ns	ns	ns	ns
12	ns	ns	ns	ns
13	ns	ns	ns	ns
14	ns	ns	ns	ns
15	ns	ns	ns	ns
16	ns	ns	ns	ns